Winter Use of the Virginia Creeper Trail: A Preliminary Analysis

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Sponsors

- Virginia Creeper Club
- * Virginia Trails
- Virginia Dept Conservation & Recreation
- Virginia Dept Forestry
- * National Park Service
- Creeper Cabins
- * University of Georgia, Dept Ag & Applied Econ
- * USDA Forest Service, Region 8 & SRS



- *Measure Trail Use
- Describe Trail Users
- **Examine User Attitudes/ Preferences**
- Estimate Local Economic Impacts
- ***Estimate Visitor Economic Benefits**



Methods

- Stratified Random Sample
 - Sites, Days, Season

- **& Exit Interviews**
 - * Screener
 - ❖ Local, Nonlocal A& B



- * 681 completed screeners
- * 373 at Abingdon 55%
- * 212 at Damascus 31%
- * 36 at Straight Branch 5%
- * 60 at remaining sites 9%



Activity/Mode:

Walk - 41%

Bike - 31%

Jog - 14%

Screener

* Demographics:

Race: 98% white

Gender: 70% male

Ages: 96% >16

Locals: 60%

Screener

- * Ave. group size 2.45
- * 347 screened were surveyed 51%
- Reasons for not completing survey no time 94
 no interest 48
 already surveyed 47

Screener Survey

Most Prolific Surveyors:

Michelle - 80

Brook - 69

Steve – **58****



Locals

Abingdon - 70%

Damascus - 9%

Watauga - 8%

13 min avg.

Nonlocals

Abingdon - 37%

Whitetop - 27%

Damascus - 22%



Locals

Walking - 55%

Biking - 18%

Jogging - 15%

Non-locals

Biking - 56%

Walking - 36%

Jogging - 5%

Trail Time & Distance

Locals

Nonlocals

*Time on Trail:

76 min

143 min

0 - 660

0 - 480

***** Distance Traveled:

4.8 mi

18.5 mi

0 - 51

0 - 500



Group Size & Visits

* Group Size:

Locals

1.78

1 - 20

Nonlocals

3.63

1 - 46

Visits

12 mo

1 - 45

14 yr

0 - 300



- * 98% use trail in summer
- * 97% use trail in fall
- * 97% use trail in spring
- * 95% use trail in winter



Spending related to trail use

\$ 180 yr/avg.

3/4 reported 75-100% in Grayson or Washington Co.



| Local | Nonlocal |
|-------|----------|
| | |

Health: 3.87 3.71

Nature: **3.81 3.80**

Pets: 2.33 2.30

Comm: **3.47 3.15**



| | <u>Importance</u> | Condition |
|----------|-------------------|------------------|
| Safety: | 3.71 | 3.46 |
| Crowd: | 3.05 | 3.35 |
| Parking: | 3.11 | 3.36 |
| Scenery: | 3.84 | 3.65 |



| | <u>Importance</u> | Condition | |
|------------|-------------------|------------------|--|
| Restrooms: | 3.23 | 3.20 | |
| Conflicts: | 3.01 | 3.41 | |
| Surface: | 3.60 | 3.16 | |
| Structure: | 3.70 | 3.48 | |



| | <u>Importance</u> | Condition |
|----------|-------------------|------------------|
| Safety: | 3.85 | 3.53 |
| Crowd: | 3.23 | 3.51 |
| Parking: | 3.21 | 3.46 |
| Scenery: | 3.90 | 3.73 |



| | Importance | Condition |
|------------|-------------------|------------------|
| Restrooms: | 3.30 | 3.33 |
| Conflicts: | 3.14 | 3.63 |
| Surface: | 3.51 | 3.50 |
| Structure: | 3.50 | 3.50 |



| <u>Importance</u> | | Condition |
|-------------------|------|------------------|
| Lodge: | 1.5 | 3.09 |
| Trail Camp: | 1.75 | 2.67 |
| Campgrounds: | 1.80 | 2.80 |
| Eating: | 2.53 | 3.03 |
| Shopping: | 1.80 | 2.90 |



| | Importance | Condition |
|--------------|-------------------|------------------|
| Historical: | 2.72 | 3.25 |
| Outdoor: | 3.05 | 3.36 |
| Bike rentals | : 2.29 | 3.33 |
| Guides: | 1.63 | 2.64 |



| <u>Im</u> ı | Condition | | |
|--------------|------------------|------|--|
| Lodge: | 2.30 | 3.30 | |
| Trail Camp: | 2.30 | 3.05 | |
| Campgrounds: | 2.23 | 2.87 | |
| Eating: | 3.20 | 3.23 | |
| Shopping: | 1.93 | 2.90 | |



| | Importance | Condition |
|---------------|-------------------|------------------|
| Historical: | 2.70 | 3.15 |
| Outdoor: | 3.23 | 3.50 |
| Bike rentals: | 2.50 | 3.42 |
| Guides: | 1.83 | 3.10 |
| Information: | 3.06 | 3.31 |



Management Opinions

Percent = Strongly Agree & Agree

| | Local | Nonlocal |
|---|-------|-----------------|
| maint attract visitors | 99 % | 99 % |
| user fee for maintenance | 32 | 59 |
| local taxes maintenance | 91 | 74 |
| volunteers main maintenance | 65 | 77 |
| crowding affects visits | 39 | 35 |



Percent = Strongly Support & Support

| | <u>Local</u> | <u>Nonlocal</u> | |
|------------|--------------|-----------------|--|
| Paved: | 8% | 8% | |
| Cinder: | 79 | 79 | |
| Limestone: | 55 | 54 | |



| | Local | | <u>Nonlocal</u> | |
|---------------------------------------|-------|----------|-----------------|----------|
| | All | Disabled | All | Disabled |
| electric golf carts | 3% | 46%* | 1% | 40%* |
| gas golf carts | 1 | 14 | 0 | 20 |
| motorized bicycles | 4 | 14 | 1 | 14 |
| horse drawn carts | 11 | 8 | 11 | 11 |
| * ATV's | 1 | 2 | 0 | 6 |



| | Locals | <u>Nonlocals</u> | |
|-------------------|---------------|------------------|--|
| Household size | 2.6 | 3.1 | |
| College education | 63% | 63% | |
| Respondent age | 48 | 47 | |
| Employ full-time | 61% | 75% | |
| Household Income | \$60,000 | \$61,000 | |

Nonlocal Travel Distances

- Avg. one-way
- Min dist
- Max dist
- **⋄** 0-50miles
- **♦** 51-150 miles
- **♦** 151-250 miles
- **⋄** > 250 miles
- Nights away trip
- Spending party

- **259.6** miles
- **13.5** miles
- **2604** miles
 - 21%
 - 25%
 - 19%
 - 35%
 - **2.5** (max 35)
 - **4.2** (max 45)



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|-----|----------|--------------|------|
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| LUU | <u> </u> | ۔ کے۔ | avg. |
| | 0 | \mathbf{O} | |

range

Food:

Trans:

Trail:

Other:

TOTAL:

| w/i | 25 | Mi | les |
|-----|----|----|-----|
| | | | |

\$75.03

0,800

78.63

0, 2400

27.90

0,690

24.03

0,300

19.26

0, 1000

\$224.85

Total trip

\$109.53

0, 1900

110.15

0, 2900

65.93

0, 1800

24.73

0,300

19.87

0, 1000

\$330.21

Some Conclusions about Winter Users

- ***23,467** visits estimated 11/1/02 4/30/03
- * Demographics of Local & Nonlocals similar
- * Locals enter mainly in Abingdon -- majority walkers
- Nonlocals enter at Abingdon, Damascus,
 Whitetop majority bikers
- * Nonlocals spend twice as much time on trail per visit and cover 4 times the distance

Winter Users (cont'd)

- Devoted users Locals 12 visits monthly –
 Nonlocals 14 visits annually
- * Locals spend about \$180 yr related to VCT use
- Nonlocals spend about \$330 per group per visit total -- \$220 in Grayson & Washington Co's
- **❖ Nonlocals travel an average of 250 miles to the VCT − 35% came from farther than 250 miles**
- * Trail rather than area attractions is major drawing card for Nonlocals



- * 4 S's are most important to Locals & Nonlocals
 - Safety, Scenery, Surface, Structures
- * Condition of 4 S's is between Good & Excellent
- Only 8% support paving VCT
- About 50% support electric golf carts for disabled users
- * Very low support for other motorized uses

Winter Users (cont'd)

- All agree maintaining the VCT is important to attract visitors
- Lower support among Locals (32%) than Nonlocals (59%) for maintenance user fees
- Higher support among Locals (91%) than Nonlocals (74%) for maintenance funding via local taxes
- * Both agree volunteers important for maintenance
- * STAY TUNED FOR SUMMER RESULTS!!